

**ABSTRACT**

A medical image diagnosing support apparatus comprises: a first extraction means which extracts a body region of a subject from a tomographic image of the subject acquired by a medical tomographic apparatus; a second extraction means which extracts  
5 a non-adipose region from the body region; a third extraction means which extracts a total body adipose region from the body region; a separation means which separates the total body adipose region into a visceral adipose region and a subcutaneous adipose region based on positional information of the non-adipose region; and a display control  
10 means which controls of displaying the tomographic image on an image display device with clear indication of the visceral adipose region and the subcutaneous adipose region.